

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1314747

Luminaire Tested: P3SQAS20R559735D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R559735D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

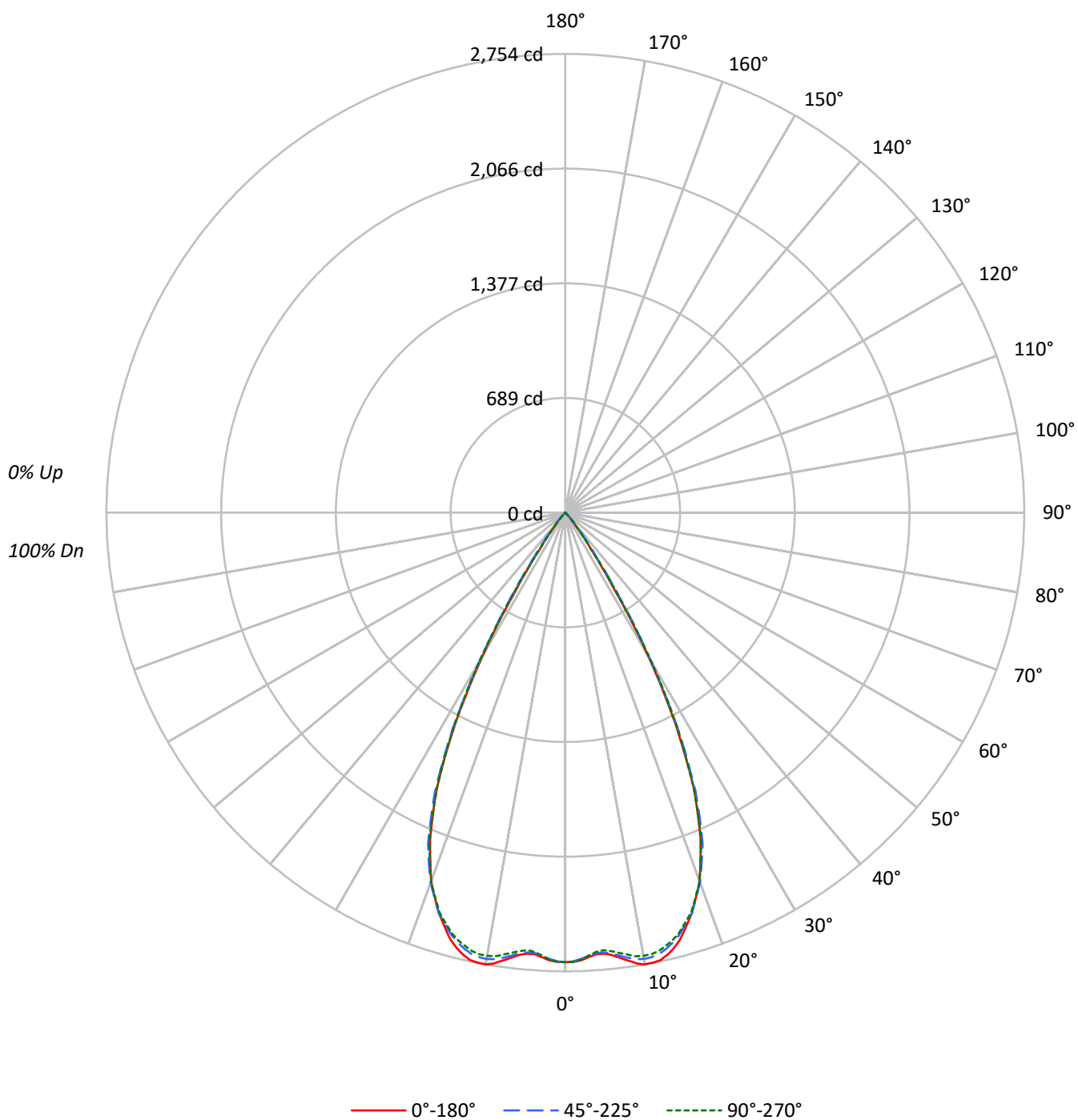
Lumens per Lamp: N/A
Luminaire Lumens: 2052.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1314747

CATALOG NUMBER: P3SQAS20R559735D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314747

CATALOG NUMBER: P3SQAS20R559735D010 E3SQCD1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	464846	464846	464846
5°	459534	458168	455730
10°	481653	475864	472559
15°	473649	468603	466909
20°	431431	433172	431724
25°	346134	351511	346134
30°	198667	203678	205249
35°	56640	68246	58301
40°	14523	20908	14883
45°	1534	7282	1145
50°	0	1259	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7282 cd/sqm

TEST NUMBER: P1314747

CATALOG NUMBER: P3SQAS20R559735D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	12.5
10°-20°	731.3	35.6
20°-30°	805.4	39.3
30°-40°	240.4	11.7
40°-50°	18.5	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1793.0	87.4
0°-40°	2033.4	99.1
0°-60°	2052.0	100.0
0°-90°	2052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2699	2699	2699	2699	2699	
5°	2658	2653	2650	2639	2636	258
15°	2656	2638	2628	2617	2619	736
25°	1822	1822	1850	1847	1822	797
35°	269	287	325	296	277	223
45°	6	16	30	16	5	12
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1314747

CATALOG NUMBER: P3SQAS20R559735D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2699.1	2699.1	2699.1	2699.1	2699.1
1°	2697.5	2697.5	2694.4	2692.8	2697.5
2°	2689.6	2689.6	2681.8	2680.2	2684.9
3°	2672.3	2670.7	2664.4	2659.7	2662.8
4°	2658.1	2655.0	2650.2	2642.4	2643.9
5°	2658.1	2653.4	2650.2	2639.2	2636.1
6°	2670.7	2667.6	2661.3	2650.2	2647.1
7°	2692.8	2686.5	2680.2	2666.0	2662.8
8°	2716.4	2711.7	2699.1	2684.9	2678.6
9°	2740.1	2729.0	2713.3	2699.1	2697.5
10°	2754.2	2738.5	2721.1	2703.8	2702.2
11°	2752.7	2738.5	2718.0	2702.2	2700.7
12°	2746.4	2725.9	2708.5	2689.6	2691.2
13°	2724.3	2705.4	2688.1	2673.9	2670.7
14°	2694.4	2677.0	2661.3	2647.1	2648.7
15°	2656.5	2637.6	2628.2	2617.2	2618.7
17.5°	2522.6	2517.9	2522.6	2510.0	2514.7
20°	2354.0	2349.3	2363.5	2357.2	2355.6
22.5°	2119.2	2125.6	2152.3	2144.5	2130.3
25°	1821.5	1821.5	1849.8	1846.7	1821.5
27.5°	1433.8	1444.9	1462.2	1470.1	1451.2
30°	999.0	1024.2	1024.2	1039.9	1032.1
32.5°	557.8	611.4	624.0	631.8	600.3
35°	269.4	286.8	324.6	296.2	277.3
37.5°	129.2	137.1	174.9	141.8	132.4
40°	64.6	74.1	93.0	77.2	66.2
42.5°	26.8	39.4	48.8	39.4	26.8
45°	6.3	15.8	29.9	15.8	4.7
47.5°	0.0	1.6	14.2	3.2	0.0
50°	0.0	0.0	4.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1314747

CATALOG NUMBER: P3SQAS20R559735D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)